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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Complete If Known				
Application Number	09/427,815			
Filing Date	October 27, 1999			
First Named Inventor	David P. Rossum			
Art Unit	2697			
Examiner Name	Graham, Andrew R.			
Attorney Docket Number	6407P134			

			U.S. PATE	ENT DOCUMENTS	
Examiner Initials*	Cite No.'	Document Number Number - Kind Code ¹ (if known)	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/ACF/		US-4,020,332	04-26-1977	Crochiere et al.	
7ACF		US-4,709,278	11-24-1987	Lagadec	
/ACF	1	US-4,460,890	07-17-1984	Busby	
/ACF/		US-4,780,892	10-25-1988	Lagadec	RECEIVE
/ACF/		US-4,716,472	12-29-1987	McNally	
7ACF	,	US-4,825,398	04-25-1989	Koch et al.	JUN 0 5 2003
/ACF/		US-5,111,727	05-12-1992	Rossum	
/ACF		US-5,119,093	06-02-1992	Vogt et al.	Technology Center 2
7ACF	7	US-5,621,805	04-15-1997	Loh et al.	
/ACF	7	US-5,647,008	07-08-1997	Farhangi et al.	
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	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document			Pages, Columns, Lines,	~
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INFORMATION DISCLOSURE

Filing Date October 27, 1999 First Named Inventor STATEMENT BY APPLICANT David P. Rossum Art Unit 2697 **Examiner Name** Graham, Andrew R Attorney Docket Number 2 Sheet of 4 6407P134

Application Number

Complete if Known

09/427,815

		OTHER ART - NON PATENT LITERATURE DOCUMENTS	Ш
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T'
/ACF/		UDO ZÖLZER, "Digital Audio Signal Processing", JOHN WILEY & SONS, Chapter 8, pg 221-247, England.	3.
/ACF/		JOÃO M. DE CARVALHO and JOHN V. HANSON, "EFFICIENT SAMPLING RATE CONVERSION WITH CUBIC SPLINES", pgs. 19.5.1-19.5.4.	
/ACF/		DAVE ROSSUM, "CONSTRAINT BASED AUDIO INTERPOLATORS", IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, New Paltz, NY, 1993, 4 pages.	
/ACF/		HAL CHAMBERLIN, "MUSICAL APPLICATIONS OF MICROPROCESSORS", Hayder Book Company, pg 515-525.	1
/ACF/		VAIDYANATHAN, "Multirate Systems and Filter Banks", pp 196-217, Chap. 5, "Maximally decimated filter banks".	
/ACF/		TOR A. RAMSTAD, "Digital Two-Rate IIR and Hybrid IIR/FIR Filters for Sampling Rate Conversion", IEEE Transactions on Communications, Vol. COM-30, No. 7, pp. 1466-1476 July 1982.	,
/ACF/	· fa.	G.T.H. WRIGHT and F.J. OWENS, "Optimum Design of a FIR Interpolating Filter for Converting Between Incommensurate Sampling Frequencies", Applied Signal Processing, 1994, 4 pages.	

Examiner	/Andrew Flanders/	Date	05/04/0007	
Signature	/Andrew Handers/	Considered	05/01/2007	

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		OTHER ART - NON PATENT LITERATURE DOCUMENTS	W.
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/ACF/		Y. MEDAN and U. SHVADRON, "ASYNCHRONOUS RATE CONVERSION", 1997 IEEE, pgs. 107-112.	
/ACF/		JULIUS O. SMITH and PHIL GOSSETT, "A Flexible Sampling-Rate Conversion Method", Processing of ICCASP, 1984, Palo Alto, California, pp. 19.4.1-19.4.4.	
		TOR A. RAMSTAD, "SAMPLE-RATE CONVERSION BY ARBITRARY RATIOS", ICASSP, 1982, Norway, pgs. 101-104.	
/ACF/			
/ACF/		TOR A. RAMSTAD, "Digital Methods for Conversion Between Arbitrary Sampling Frequencies", IEEE TRANSACTIONS OF ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, VOL. ASSP-32, NO. 3, JUNE 1984, pgs. 577-591.	
/ACF/		TAPIO SARAMÄKI and TAPANI RITONIEMI, "AN EFFICIENT APPROACH FOR CONVERSION BETWEEN ARBITRARY SAMPLING FREQUENCIES", 1996 IEEE, pp. 285-288.	
/ACF/		TAPIO SARAMAKI and YRJÖ NEUVO, "EQUAL RIPPLE AMPLITUDE AND GROUP DELAY DIGITAL FILTERS FOR SAMPLING RATE ALTERATION", 1980 IEEE, pgs. 597-600.	
/ACF/		TAPIO SARAMÄKI, "EFFICIENT RECURSIVE DIGITAL FILTERS FOR SAMPLING RATE CONVERSION", 1983 IEEE, Finland, pgs. 1322-1326.	,

				
Examiner	IA malmann Claumalaum I	Date		
Signature	/Andrew Flanders/	Considered	05/01/2007	
Oignaturo		Considered	00/01/2001	,

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Attorney Docket Number	6407P134	O	_

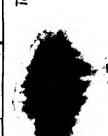
Complete if Known

		OTHER ART - NON PATENT LITERATURE DOCUMENTS	_=
·		OTHER ART - NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ^a
/ACF/	3,	N. S. VASANTHAVADA, "A Note on the Computational Efficiency of the FIR Multistage Implementations of Franctional Sampling Rate Conversion", IEEE TRANSACTIONS ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, VOL. ASSP-33, NO. 2, APRIL 1985, pg. 475 and 477.	
/ACF/	-	HAKAN JOHANSSON AND LARS WANHAMMER, "TWO-STAGE POLYPHASE INTERPOLATORS AND DECIMATORS FOR SAMPLE RATE CONVERSIONS WITH PRIME NUMBERS", ref TBD, pgs. 1207-1210.	
/ACF/		A. TARCZYNSKI, W. KOZINSKI and G. D. CAIN, "SAMPLING RATE CONVERSION USING FRACTIONAL-SAMPLE DELAY", 1994 IEEE, pgs. III-285-III-288.	
/ACF/		J. JANSSEN, D. THERSSEN, ET AL., "A New Principle/IC for Audio Sampling Rate Conversion", 96th Convention Audio Engineering Society, 1994, 15 pages.	
/ACF/		J.O. SMITH, "Adaptive Interpolated Time-Delay Estimation", pgs. 5-11.	
/ACF/		TIMO I. LAAKSO, VESA VÄLIMÄKI, MATTI KARJALAINEN, and UNTO K. LAINE, "DIGITAL FILTER APPROXIMATION OF FRACTIONAL DELAY-A TOTORIAL REVIEW", IEEE Trans. on Speech and Audio Processing, March 18, 1993, pgs. 1-41 odd.	
/ACF/		VESA VÄLIMÄKI, TIMO I. LAAKSO and JOHNATHAN MACKENZIE, "ELIMINATION OF TRANSIENTS IN TIME-VARYING ALLPASS FRACTIONAL DELAY FILTERS WITH APPLICATION TO DIGITAL WAVEGUIDE MODELING",	

Examiner	/* 1 = 1	Date
Signature	/Andrew Flanders/	Considered 05/01/2007
		00/01/2007

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Sheet 1 of 1

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Filing Date	October 27, 1999
First Named Inventor	Rossum, David
Group Art Unit	2644
Examiner Name	Graham, Andrew

Attorney	Docket	No:	2045.	.009L	JS1

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Publication Date Number		Name of Patentee or Applicant of cited Document	Filing Date If Appropriate		
/ACF/	US-5,342,990	08/30/1994	Rossum, David	05/11/1992		
/ACF/	US-5,818,888	10/06/1998	Holmqvist, Peter B.	02/26/1997		
/ACF/	US-5,880,980	03/09/1999	Rothacher, Fritz M., et al.	09/30/1996		
/ACF/	US-5,892,694	04/06/1999	Ott, Stefan	05/01/1997		
/ACF/	US-6,360,239	03/19/2002	Laroche, Jean	01/13/1999		

	FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	· T²	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
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/ACF/		CROCHIERE, RONALD E., et al., "6.6 Sampling Rate Conversion Between Systems", Multirate Digital Signal Processing, Prentice-Hall, (1983), 283-286	
/ACF/		CROCHIERE, RONALD E., et al., "Chapter 2: Basic Principles of Sampling and Sampling Rate Conversion", Multirate Digital Signal Processing, Prentice-Hall, (1983), 13-42	
/ACF/		CROCHIERE, RONALD E., et al., "Chapter 5: Multistage Implementations of Sampling Rate Conversion", Multirate Digital Signal Processing, Prentice-Hall, (1983), 193-250	
/ACF/		RABINER, LAWRENCE R., et al., "2.4.2 Decimation and interpolation of sampled waveforms", <u>Digital Processing of Speech Signals</u> , Prentice-Hall, (1978), 26-32	
/ACF/		SMITH, III, J. O., "Comments on Sullivan Karplus-Strong Article", Computer Music Journal, (1990?),10-11	

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